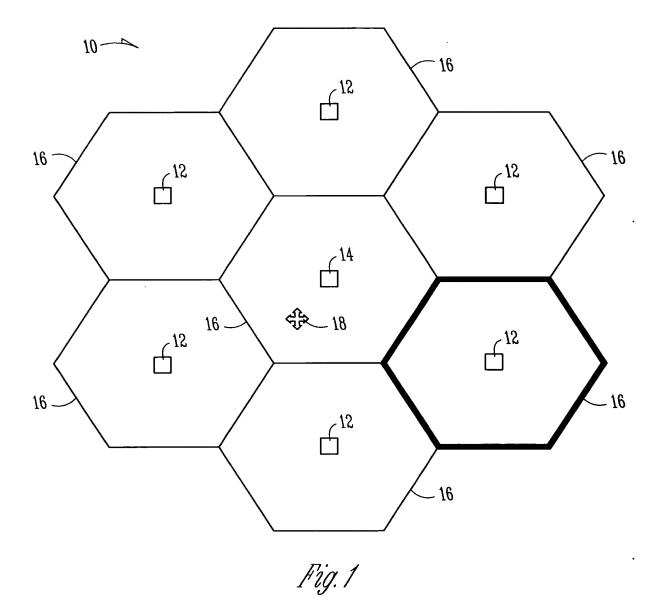
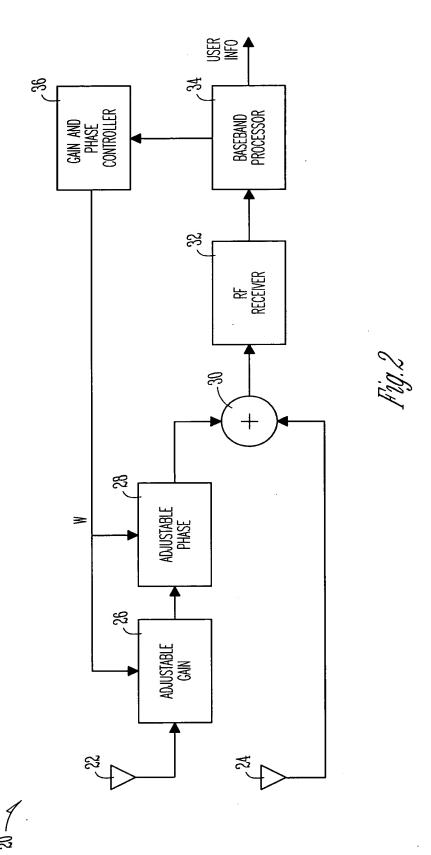
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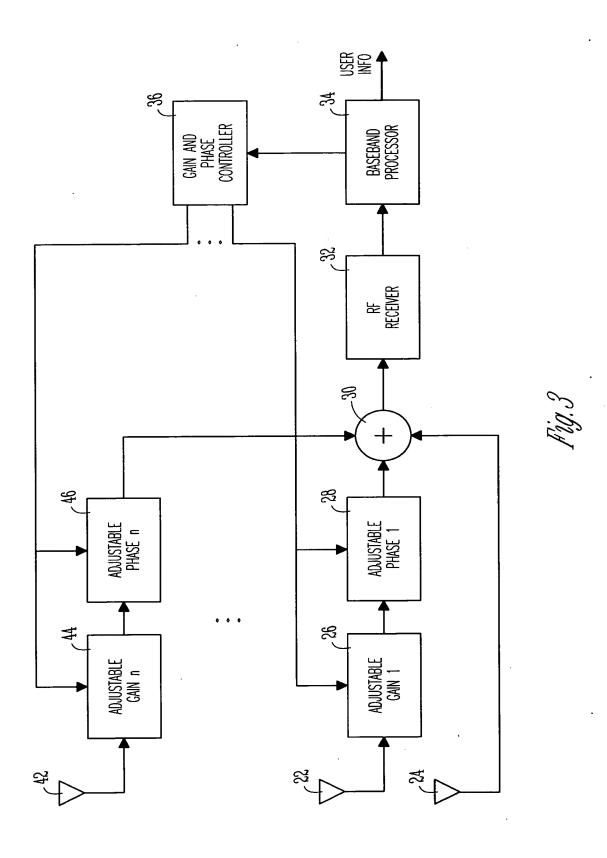
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RENCE REDUCTION USING LOW COMPLEXITY ANTEN

INVENTORS NAME: Nir Binshtok et al. DOCKET NO.: 884.557US1

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50 PROVIDE A COMMUNICATION DEVICE HAVING FIRST AND SECOND ANTENNA ELEMENTS, THE FIRST ANTENNA ELEMENT HAVING AN ADJUSTABLE WEIGHT 52 AT THE BEGINNING OF A PRESENT PROCESSING CYCLE, APPLY A PREDETERMINED WEIGHT TO THE FIRST ANTENNA ELEMENT AND HOLD FOR au SECONDS 54 ESTIMATE THE COMBINED CHANNEL RESPONSE FOR BASE STATIONS OF INTEREST 56 CALCULATE THE CHANNEL RESPONSES FROM THE BASE STATIONS OF INTEREST TO THE INDIVIDUAL ANTENNA ELEMENTS 58 UPDATE THE ESTIMATION OF P_{k} , P_{d} , AND σ^2 60 CALCULATE A NEW WEIGHT FOR THE FIRST ANTENNA ELEMENT THAT OPTIMIZES A TARGET CRITERION 62 APPLY THE NEW WEIGHT TO THE FIRST ANTENNA ELEMENT FOR THE REMAINDER OF THE PRESENT PROCESSING CYCLE 64 REPEAT FOR SUBSEQUENT PROCESSING CYCLE

Fig. 4

